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The Director of Central Intelligence

Washington, D.C. 20505

IRDC Intelligence Research &
Development Council

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ARTIFICIAL INTELLIGENCE STEERING GROUP
MEETING MINUTES

DATE/PLACE

19 November 1984

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Washington, DC

ATTENDEES

, DMA
DIA
DIA
, DoD
DIC
, DoD
DMA
DoD
, OSD/NIS

CIA
, NBS
, FBI
CIA
CIA
, CIA
SAF/SS
DMA

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NEXT MEETING

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Our next meeting will be held on Monday, 28 January 1985 at 1330 hours in Room 1S06   Agenda items will include report on the site visits to Northern California: Stanford, AI&DS, Xerox PARC, Intellicorp, SRI, ESL, Lawrence Livermore, Expertelligence, Teknowledge and Delfin. Plan for site visits in Southern California in February includes Hughes, USC, Cal Tech-JPL, Xerox, etc. Status Report on "Expert AI panel," funded by CIA/ORD, to meet 3-4 times in 1985. Objective is to get state-of-the-art assessments to help develop R&D program; panel discussion will be open to AISG members.

BUSINESS

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of CIA/ORD presented his current research in cataloguing the features of a face. The near term objective is to computerize the catalog   Subsequent objectives are to refine the interfeature distance measures (e.g., pupil to pupil, tip of nose to each pupil, etc.); and then to introduce A.I. to automate the extraction of facial features. The A.I. part will determine

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coarse lines first (such as eyebrows), then corners (of eyes, mouth), and then tip of nose and mid upper lip. As a result, one should be able to locate a specific face within the database, having reduced the search space to values of specific features. About 40 G-bytes will be required to store all 315,000 faces; values of height and weight will help to reduce the search.

[ ] (DIC) sought suggestions for keynote   25X1
speakers at the March A.I. Symposium to be held at DIA.
Possibilities are [ ] from DARPA; [ ]   25X1
[ ] (Xerox PARC); [ ] If you have nominations,   25X1
please contact either [ ] or myself [ ]   25X1
Auditorium attendance will be limited to 400. Technical papers will be presented on Tuesday PM and Wednesday AM. Applications Working Group will convene on Wednesday PM with report of results on Thursday PM.

Paul Tilson (Air Force) mentioned that a call for papers will be sent out for the AI Symposium; and that we might encourage such papers from our contractors.

[ ] (NSA) mentioned that MIT plans to make LISP and C   25X1
the initial programming languages taught to freshmen; for use on computers with 3-4 MB of main memory and a 5 MB disk. Target date is 1988, on a machine that follows the IBM-AT.

REMINDER

Make sure that your clearances are up to date for attendance at
25X1   future AISG meetings [ ] and for site visits.

                                                25X1

Executive Secretary